

Marion Co. 57-05
2005

g

57052005

B&B CONCRETE PRODUCTS, INC.

1687 GEORGIA ROAD
FRANKLIN NC 28734

PH. 828-524-6483 FAX 828 524 5194

57-05
Compost Permit

May 2, 2005

Mr. Ted Lyons
401 Oberlin Road
Raleigh NC 27605

Dear Ted:

Enclosing report from Pace Analytical just received.

They did not run fecal test because of 6 hr. run time (whatever) that means.
We got the sample to them within 1 ½ hours on the same day.

We will have the facal test done again and mail to you.

Thanks.

B&B CONCRETE PRODUCTS, INC.

Nelson Bates
Nelson W. Bates, Pres.

NWB /wv





Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

April 27, 2005

Mr. Nelson Bates
B & B Concrete
1629 Georgia Road
Franklin, NC 28734

RE: Lab Project Number: 9292140
Client Project ID: Compost sample

Dear Mr. Bates:

Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Tom Williams
Tom.Williams@pacelabs.com
Project Manager



Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater	40
NC Drinking Water	37712
SC Environmental	99030
FL NELAP	E87648



Charlotte Certification IDs

NC Wastewater	12
NC Drinking Water	37706
SC	99006
FL NELAP	E87627

Lab Project Number: 9292140
Client Project ID: Compost sample

Solid results are reported on a dry weight basis

Lab Sample No: 925504680 Project Sample Number: 9292140-001 Date Collected: 04/13/05 12:15
Client Sample ID: COMPOST Matrix: Soil Date Received: 04/13/05 15:03

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----------	----	---------	------	--------

Metals

Metals, Trace ICP

Prep/Method: EPA 3050 / EPA 6010

Arsenic	ND	mg/kg	1.1	04/15/05 16:47	ALV	7440-38-2		
Cadmium	0.25	mg/kg	0.21	04/15/05 16:47	ALV	7440-43-9		
Chromium	6.0	mg/kg	0.42	04/15/05 16:47	ALV	7440-47-3		
Copper	16.	mg/kg	0.42	04/15/05 16:47	ALV	7440-50-8		
Lead	2.5	mg/kg	1.1	04/15/05 16:47	ALV	7439-92-1		
Nickel	2.0	mg/kg	1.1	04/15/05 16:47	ALV	7440-02-0		
Selenium	ND	mg/kg	1.1	04/15/05 16:47	ALV	7782-49-2		
Zinc	48.	mg/kg	2.1	04/15/05 16:47	ALV	7440-66-6		
Date Digested	04/15/05 07:00			04/15/05 07:00				

Mercury, CVAAS, in Soil

Method: EPA 7471

Mercury	ND	mg/kg	0.011	04/14/05 08:00	ALV	7439-97-6		
---------	----	-------	-------	----------------	-----	-----------	--	--

Wet Chemistry

Percent Moisture

Method: % Moisture

Percent Moisture	54.5	%		04/14/05 09:50	TNS			
------------------	------	---	--	----------------	-----	--	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Lab Project Number: 9292140
Client Project ID: Compost sample

PARAMETER FOOTNOTES

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

Date: 04/27/05

Page: 2 of 7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Pace Analytical Services, Inc.

2225 Riverside Drive

Asheville, NC 28804

Phone: 828.254.7176

Fax: 828.252.4618

Lab Project Number: 9292140

Client Project ID: Compost sample

QC Batch: 125695
QC Batch Method: EPA 7471
Associated Lab Samples: 925504680

Analysis Method: EPA 7471
Analysis Description: Mercury, CVAAS, in Soil

METHOD BLANK: 925507279
Associated Lab Samples: 925504680

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/kg	ND	0.0050	

LABORATORY CONTROL SAMPLE: 925507287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/kg	0.0667	0.0715	107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925507295 925507303

Parameter	Units	925503633 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/kg	0	0.0667	0.0669	0.0667	100	100	0	

Date: 04/27/05

Page: 3 of 7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627



QUALITY CONTROL DATA

Lab Project Number: 9292140
Client Project ID: Compost sample

QC Batch: 125832
QC Batch Method: EPA 3050
Associated Lab Samples: 925504680

Analysis Method: EPA 6010
Analysis Description: Metals, Trace ICP

METHOD BLANK: 925514150
Associated Lab Samples: 925504680

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/kg	ND	0.50	
Cadmium	mg/kg	ND	0.10	
Chromium	mg/kg	ND	0.20	
Copper	mg/kg	ND	0.20	
Lead	mg/kg	ND	0.50	
Nickel	mg/kg	ND	0.50	
Selenium	mg/kg	ND	0.50	
Zinc	mg/kg	ND	1.0	

LABORATORY CONTROL SAMPLE: 925514168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/kg	50.00	47.60	95	
Cadmium	mg/kg	50.00	44.70	89	
Chromium	mg/kg	50.00	45.10	90	
Copper	mg/kg	50.00	44.50	89	
Lead	mg/kg	50.00	45.70	91	
Nickel	mg/kg	50.00	44.00	88	
Selenium	mg/kg	50.00	47.10	94	
Zinc	mg/kg	50.00	45.30	91	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925514176 925514184

Parameter	Units	925510471 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/kg	29.17	52.00	72.90	55.90	84	50	26	1.2
Cadmium	mg/kg	15.56	52.00	56.20	43.10	78	52	26	1.2
Chromium	mg/kg	74.17	52.00	112.0	87.00	73	24	25	1.1,2

Date: 04/27/05

Page: 4 of 7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 9292140

Client Project ID: Compost sample

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925514176 925514184

Parameter	Units	925510471 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Copper	mg/kg	367.6	52.00	410.0	309.0	82	0	28	1.2
Lead	mg/kg	95.37	52.00	122.0	96.00	51	1	24	1.1.2
Nickel	mg/kg	81.94	52.00	119.0	93.60	71	22	24	1.1.2
Selenium	mg/kg	0	52.00	17.70	13.60	34	26	26	1.1.2
Zinc	mg/kg	146.3	52.00	184.0	139.0	72	0	28	1.1.2

Date: 04/27/05

Page: 5 of 7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs

NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs

NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 9292140
Client Project ID: Compost sample

QC Batch: 125718 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 925504680

SAMPLE DUPLICATE: 925507980

Parameter	Units	925501835 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	15.90	16.70	5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Lab Project Number: 9292140
Client Project ID: Compost sample

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
[2] The calculated RPD was outside QC acceptance limits.

Date: 04/27/05

Page: 7 of 7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

852050

Required Client Information: **Section A**

Company: Ex Blonville Tool & Inc.
Address: 1659 Deegan Highway
Franklin, NC 28734

Report To: McGraw Hill
Copy To: McGraw Hill
Invoice To: McGraw Hill
Project Name: Franklin, NC 28734
Project Number: 524-5194

Page: 1 of 1

Client Information (Check quote/contract):
Requested Due Date: 12/15/03 *TAT: 12/15/03

To Be Completed by Face Analytical and Client **Section C**

Quote Reference: 985504680
Project Manager: TRU
Project #: 98140
Profile #: 2046-1
Requested Analysis: MCAC

Phone: 524-5194 Fax: 524-5194
Project Number: 524-5194

*Turn around time less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

Project #: 98140
Profile #: 2046-1
Requested Analysis: MCAC

Section D Required Client Information:

SAMPLE ID
One character per box.
(A-Z, 0-9 / -)

Sample IDs MUST BE UNIQUE

ITEM #	Valid Matrix Codes	CODE	MATRIX CODE	SAMPLE TYPE	COLLECTED			SAMPLE TEMP AT COLLECTION	Preservatives	Remarks / Lab ID
					START	END	TIME			
1	DRINKING WATER	DW	G	G	12:15:30			2	Unpreserved	X
2	GROUNDWATER	GW							H ₂ SO ₄	
3	SPRING WATER	SW							HNO ₃	
4	WASTE WATER	WW							HCl	
5	PRODUCT	P							NaOH	
6	SOIL	SL							Na ₂ S ₂ O ₃	
7	WIFE	WF							Methanol	
8	AIR	AR							Other	
9	OTHER	OT								
10										
11										
12										

SITE LOCATION

☐ NC ☐ SC ☐ GA ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ Other ☐ UST ☐ RCRA ☐ Other

RELINQUISHED BY / AFFILIATION

McGraw Hill 4/13/03 15:02 4/13/03 15:02

SAMPLE CONDITION

SAMPLE NOTES

ACCEPTED BY / AFFILIATION

4/13/03 15:02 4/13/03 15:02

Temp in °C 14.8

Received on Ice Y/N

Sealed Cooler Y/N

Samples Intact Y/N

Additional Comments:

2

SEE REVERSE SIDE FOR INSTRUCTIONS

DATE Signed: (MM / DD / YY)

Form COC01 Rev. 03/04